

Update on Resilient Shoreline & Spaces Workgroup



ABM
Sept, 10, 2020
CJ Reynolds



Shoreline Workgroup Overview

Comprised of engineers, natural resource experts
Meetings October 2019-April 2020

Reviewed tidal flooding, discussed factors and came to
consensus

1. Lifespan of Seawalls – materials, conditions, locations
2. Timeframes: 2050, 2060 or 2070
3. Sea Level Rise scenarios: TB CSAP NOAA Intermediate and High
4. KingTides: projected heights, timeframes and # of flood days

Workgroup Recommendations



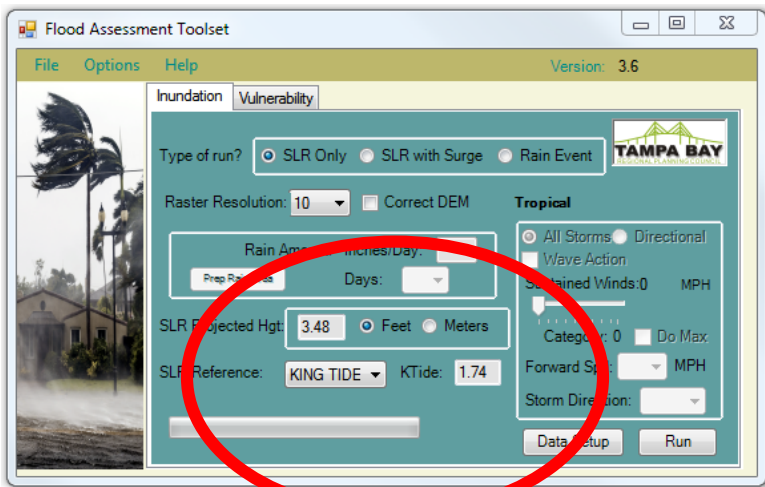
SLR SCENARIO



TIMEFRAME

NOAA High 2060 = 3.48
(*2019 CSAP Report)

Year	NOAA Int-Low (feet)	NOAA Intermediate (feet)	NOAA High (feet)
2000 ³	0	0	0
2030	0.56	0.79	1.25
2040	0.72	1.08	1.77
2050	0.95	1.44	2.56
2060	1.15	1.87	3.48
2070	1.35	2.33	4.56
2080	1.54	2.82	5.71
2090	1.71	3.38	7.05
2100	1.90	3.90	8.50



Exceptional (King) Tidal Flooding

St. Petersburg, FL	
Year	Flood Days
2018	4 (Tied Record)

Projected High Tide Flood Days	
Year	Flood Days
2018	1-3
2030	3-7
2050	15-85

Average No. of flood days in 2000: 1
 Record No. of flood days as of 2017: 4

Flood threshold is 0.53m above MHHW



TIMEFRAME



KING TIDE
DATA

Projected Height 2060 = 1.74 feet
 Estimated 15-85 days by 2050

NOAA High 2060 = 3.48 feet

King Tide 2060 = 1.74 feet

Combined = 5.22 feet

Rounded: 5 feet



SLR
SCENARIO



TIMEFRAME



KING TIDE
DATA



LOCATION

Not Discussed



Gulf vs. bay/rivers

LOCATION



UF College of Law Conservation Clinic professor and students analyzed policy and regs among TBRPC/Coalition members

- Created spreadsheet with links
- Internal review to add/amend information

Coalition PARTNER and Shoreline Workgroup member

Shoreline Next Steps

- Local governments – will review and add/update links so all key documents in one location
- Workgroup and TBRPC revise draft Policy Brief to define all needed standards and document
 - construction standards to be addressed (materials, height, permitting, etc.)
 - Regulatory mechanisms to be used (comp plan, code of ordinances, land development code, engineering design standards)
 - Incorporate recommendations, language for enhanced shoreline language from TBEP CCMP